

# Keith Finlay

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## Education

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<b>University of California, Irvine</b> <i>PhD, Economics</i>	<b>Irvine, CA</b> 2007
<b>University of California, Irvine</b> <i>MA, Economics</i>	<b>Irvine, CA</b> 2006
<b>Reed College</b> <i>BA, Economics</i>	<b>Portland, OR</b> 2000

## Experience

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<b>US Census Bureau</b> <i>Economist, Center for Administrative Records Research and Applications</i>	<b>Washington, DC</b> 2015–
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- o Developing a national, linked Criminal Justice Administrative Records System (CJARS) housed at the Census Bureau.
- o Designed and built a realtime data discovery tool for administrative records assets at the Census Bureau. This dashboard helps users identify data quality problems using metadata and summary statistics algorithmically harvested from tens of thousands of data files.
- o Constructed a sample frame for the National Survey of Children's Health using administrative records to identify households likely to have children present. This is the first targeted sample frame at the Census built entirely with administrative records.
- o Designing a transition to continuous integration data management and software development with administrative records at the Census Bureau.

<b>Tulane University</b> <i>Assistant Professor, Department of Economics</i>	<b>New Orleans, LA</b> 2007–2015
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- o Conducted research in the areas of applied econometrics, labor economics, and health economics.
- o Taught PhD courses on econometrics, program evaluation, and causal inference.
- o Taught undergraduate courses on econometrics, urban economics, labor economics, program evaluation, and causal inference.
- o Published eight peer-reviewed research articles as well as software packages for conducting applied econometrics; awarded more than \$450,000 in external research funding.
- o Managed department's high-performance computing resources.

## Skills

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**Parametric and nonparametric statistics:** linear and nonlinear estimation, nonparametric regression, discrete choice modeling, partial identification

**Impact evaluation:** evaluation design, randomized control trials, contingent choice experiments, quasi-experimental research designs

**Survey design:** sampling frame construction using administrative records

**Record linkage:** probabilistic record linkage, linked data quality control

**Simulation-based inference:** bootstrap inference, Monte Carlo simulation

**Economics research:** applied econometrics, labor economics, health economics, economic demography

**Computing:** statistical computing and software development (R, Stata, Python SciPy stack, Matlab), databases (SQL), scripting (Python, shell), version control (git), geographic information systems, markup ( $\text{\LaTeX}$ , HTML)

**Scientific communication:** technical writing, data visualization, grant proposals

## Publications

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Scott Cunningham and Keith Finlay. 2016. Identifying Demand Responses to Illegal Drug Supply Interdictions. Forthcoming in *Health Economics*.

Scott Cunningham, Keith Finlay, and Charles Stoecker. 2015. Is Mississippi's Prescription-Only Precursor Control Law a Prescription to Decrease the Production and Raise the Price of Methamphetamine? *International Journal of Drug Policy* 26 (11): 1144–49.

Keith Finlay, Charles Stoecker, and Scott Cunningham. 2015. Willingness-to-Accept Pharmaceutical Retail Inconvenience: Evidence from a Contingent Choice Experiment. *PLoS ONE* 10 (5): e0126790.

James Alm and Keith Finlay. 2013. Who Benefits from Tax Evasion? *Economic Analysis and Policy* 43 (2): 139–54.

Scott Cunningham and Keith Finlay. 2013. Parental Substance Use and Foster Care: Evidence from Two Methamphetamine Supply Shocks. *Economic Inquiry* 51 (1): 764–82.

Keith Finlay, Leandro Magnusson, and Mark E. Schaffer. 2013. weakiv: Stata Module to Perform Weak-Instrument-Robust Tests and Confidence Intervals for Instrumental-Variable (IV) Estimation of Linear, Probit, and Tobit Models. Software published 13 August 2013 on *Statistical Software Components* at <http://ideas.repec.org/c/boc/bocode/s457684.html>. Last updated 4 October 2014.

Keith Finlay and David Neumark. 2010. Is Marriage Always Good for Children?: Evidence from Families Affected by Incarceration. *Journal of Human Resources* 45 (4): 1046–88.

Keith Finlay. 2009. Effect of Employer Access to Criminal History Data on the Labor Market Outcomes of Ex-Offenders and Non-Offenders. In *Labor Market Intermediation*, edited by David Autor, 89–125. Chicago: University of Chicago Press.

Keith Finlay and Leandro M. Magnusson. 2009. Implementing Weak Instrument Robust Tests for a General Class of Instrumental Variables Models. *Stata Journal* 9 (3): 398–421.

## Working Papers

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Keith Finlay and Leandro M. Magnusson. 2016. Bootstrap Methods for Inference with Cluster-Sample IV Models. Unpublished manuscript.

Keith Finlay. 2014. Stigma in the Labor Market. Revision requested from *Journal of Human Resources*.

## Research funding

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<b>Robert Wood Johnson Foundation</b>	<b>\$116,462</b>
<i>PI</i>	<i>2012–2014</i>

<b>National Science Foundation</b>	<b>\$346,280</b>
<i>Co-PI</i>	<i>2010–2013</i>